

FORM PTO-1449
(REV. 7-80)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
150026.457C1APPLICATION NO.
10/091,877

INFORMATION DISCLOSURE STATEMENT

MAY 13 2002

(Use additional sheets if necessary)

APPLICANTS

Philip T. Feldsine et al.

FILING DATE

March 5, 2002

GROUP ART UNIT

Not Yet Assigned

1648

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
W	AA	5,415,997	05/16/95	Atrache et al.	435	7.35	
	AB	5,726,062	03/10/98	Numa et al.	436	86	
	AC	5,807,694	09/15/98	Zawistowski	435	7.35	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES NO
W	AD	WO 92/02820	02/20/92	WIPO	
	AE	WO 95/30903	11/16/95	WIPO	
	AF	WO 98/22824	05/28/98	WIPO	
	AG	WO 98/27432	06/25/98	WIPO	

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

W	AH	Bentley and Klebba, "Effect of Lipopolysaccharide Structure on Reactivity of Antiporin Monoclonal Antibodies with the Bacterial Cell Surface," <i>Journal of Bacteriology</i> 170(3): 1063-1068, 1988.
	AI	Bollag et al., <i>Protein Methods</i> , Wiley-Liss Inc., New York, 1996, pp. 42-49.
	AJ	Kastowsky et al., "Molecular Modelling of the Three-Dimensional Structure and Conformational Flexibility of Bacterial Lipopolysaccharide," <i>Journal of Bacteriology</i> 174(14):4798-4806, 1992.
	AK	Luk et al., "Epitope Mapping of Four Monoclonal Antibodies Recognizing the Hexose Core Domain of <i>Salmonella</i> Lipopolysaccharide," <i>The Journal of Biological Chemistry</i> 266(34):23215-2325, 1991.
	AL	Mansfield et al., "Variation in <i>Salmonella</i> core lipopolysaccharide as detected by the monoclonal antibody M105," <i>Letter in Applied Microbiology</i> 23:104-106, 1996.
	AM	Marino et al., "Energy Dependence of Lipopolysaccharide Translocation in <i>Salmonella typhimurium</i> ," <i>The Journal of Biological Chemistry</i> 260(28):14965-14970, 1985.
	AN	Marino et al., "Energy Dependence of O-Antigen Synthesis in <i>Salmonella typhimurium</i> ," <i>Journal of Bacteriology</i> 173(10):3128-3133, 1991.

EXAMINER

DATE CONSIDERED

* EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).

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MAY 15 2002

INFORMATION DISCLOSURE STATEMENT

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Philip T. Feldsine et al.FILING DATE
March 5, 2002GROUP ART UNIT
Not Yet AssignedTECH CENTER
1600/2900

U.S. PATENT DOCUMENTS

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OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

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|---|----|---|
| u | BA | McGrath and Osborn, "Evidence for Energy-Dependent Transposition of Core Lipopolysaccharide Across the Inner Membrane of <i>Salmonella typhimurium</i> ," <i>Journal of Bacteriology</i> 173(10):3134-3137, 1991. |
| | BB | Nakano et al., "Effect of protonophore on growth of <i>E. Coli.</i> ," <i>Journal of Basic Microbiology</i> 3: 163-169, 1989. |
| | BC | Ohyama et al., "Osmotic Adaption of <i>Escherichia coli</i> with a Negligible Proton Motive Force in the Presence of Carbonyl Cyanide <i>m</i> -Chlorophenylhydrazone," <i>Journal of Bacteriology</i> 174(9): 2922-2928, 1992. |
| | BD | Peleg et al., "Effects of salts and ionophores on proline transport in moderately halophilic halotolerant bacterium," <i>Biochemica et Biophysica Acta</i> 596: 118-128, 1998. |
| | BE | Pollack et al., "Specificity and Cross-Reactivity of Monoclonal Antibodies Reactive with the Core and Lipid A Regions of Bacterial Lipopolysaccharide," <i>The Journal of Infectious Diseases</i> 159(2):168-188, 1989. |
| | BF | Raetz, "Biochemistry of Endotoxins," <i>Annu. Rev. Biochem.</i> 59:129-170, 1990. |
| | BG | Raetz, <i>Escherichia Coli and Salmonella</i> , Second Edition, Volume I, ASM Press, Washington, D.C., 1996, pp. 1035-1063. |
| | BH | Rodionov and Ishiguro, "Inhibition of Peptidoglycan Hydrolase Activity <i>in Vivo</i> and <i>in Vitro</i> by Energy Uncouplers in <i>Escherichia coli</i> ," <i>Microbial Drug Resistance</i> 2(1): 131-134, 1996. |
| | BI | Rosson et al., "Use of poisons in determination of microbial manganese binding rates in seawater," <i>Applied Environmental Microbiology</i> 47: 740-745, 1984. |
| | BJ | Tsang et al., "A Murine Monoclonal Antibody Specific for the Outer Core Oligosaccharide of <i>Salmonella</i> Lipopolysaccharide," <i>Infection and Immunity</i> 55(1): 211-216, 1987. |
| ✓ | BK | Tsang et al., "Structural Differences in the Outer Core Region of Lipopolysaccharides Derived from Members of the Genus <i>Salmonella</i> ," <i>Zbl. Bakt.</i> 276:330-339, 1992. |

EXAMINER

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9/4/03

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U.S. PATENT DOCUMENTS

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CA						
CB						

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
				YES	NO
CC					
CD					

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

UW	CE	Tsang et al., "A Murine Monoclonal Antibody that Recognizes a Genus-Specific Epitope in the Salmonella Lipopolysaccharide Outer Core," <i>Zbl. Bakt.</i> 274: 446-455, 1991.
	CF	Tsang et al., "Lack of the α -1,2-linked N-acetyl-D-Glucosamine Epitope in the Outer Core Structures of Lipopolysaccharides from Certain O Serogroups and Subspecies of <i>Salmonella Enterica</i> ," <i>Res. Microbiol.</i> 142: 521-533, 1991.
	CG	Tsang et al., "Screening for <i>Salmonella</i> with a Murine Monoclonal Antibody M105 Detects both Felix O1 Bacteriophage Sensitive and Resistant <i>Salmonella</i> Strains," <i>Zbl. Bakt.</i> 286:23-32, 1997.
	CH	Tsang et al., "A Murine Monoclonal Antibody Specific for the Outer Core Oligosaccharide of <i>Salmonella</i> Lipopolysaccharide," <i>Infection and Immunity</i> 55(1): 211-216, 1987.
	CI	Tsang et al., "A Murine Monoclonal Antibody that Recognizes a Genus-Specific Epitope in the Salmonella Lipopolysaccharide Outer Core," <i>Zbl. Bakt.</i> 274: 446-455, 1991.
	CJ	Tsang et al., "Lack of the α -1,2-linked N-acetyl-D-Glucosamine Epitope in the Outer Core Structures of Lipopolysaccharides from Certain O Serogroups and Subspecies of <i>Salmonella Enterica</i> ," <i>Res. Microbiol.</i> 142: 521-533, 1991.
	CK	Tsang et al., "Screening for <i>Salmonella</i> with a Murine Monoclonal Antibody M105 Detects both Felix O1 Bacteriophage Sensitive and Resistant <i>Salmonella</i> Strains," <i>Zbl. Bakt.</i> 286:23-32, 1997.
	CL	Tsang et al., "Characterization of murine monoclonal antibodies against serotype B salmonellae and application as serotyping reagents," <i>Journal of Clinical Microbiology</i> 29(9): 1899-1903, 1991.
	CM	

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